Vitaly Sinitsin Software Developer

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Qualifications

- Years of professional experience with front-end languages and frameworks: **JavaScript**, **TypeScript, React** and **Angular**.
- Experience with server-side languages: **C#, Node.js, Express.js** and with RESTful API design and development.
- Proficient in CSS frameworks: **Tailwind CSS**, **Material UI** and **styled-components** specializing in creating visually appealing and responsive designs.
- Ability to adapt and work efficiently both individually and as part of a team.

Experience

Frontend Engineer **Jul 2021–Mar 2024**

Mark43 Remote

Enhancement of the QuickCrash application and launch with a Boston PD client

- Developed a new report form using **React**, **TypeScript**, **Redux**, and **Material UI** to render components, manage form state, and implement data validation, ensuring compliance with Massachusetts Registry of Motor Vehicles and Boston PD requirements.
- Updated Map's entry fields using the **Google Maps API** and autocomplete functionality for handling location inputs, enhancing user experience, and ensuring precise map rendering.
- Built a PDF export feature using **TypeScript** and **PDF-LIB** for generating and sharing reports in a standardized format.
- Updated report submission workflows with **React**, **TypeScript**, and **GraphQL** for efficient data-fetching and improved frontend-backend communication, establishing compatibility with the company's hosted report management systems.

Application Stability Project

- Resolved critical production bugs during prolonged on-call shifts using **LogRocket** for session replay, **Sentry** for error tracking, and **Browser DevTools** for debugging, ensuring quick issue resolution and application stability.
- Enhanced the type safety of primary **Angular17** and **React** components across two projects switching the codebase from **JavaScript** to **TypeScript**, ensuring better maintainability and minimizing runtime errors.
- Developed various unit tests using **Jest**, vastly improving test coverage and ensuring higher code reliability of the reusable methods.
- Collaborated with the QA team to develop step definitions and build full end-to-end tests using **Cucumber** and **Cypress**, increasing coverage across the app of all primary use cases for all client versions.

Fullstack Developer   **Jun 2019–Jul 2021**
Scentroid (IDES Canada Inc.)   Whitchurch-Stouffville

Launch of the Drone Information Management System 2.0

- Created a new interface for the application using **React**, **TypeScript, styled-components**, and **Tailwind CSS** improving its readability, visual appeal, and overall user experience.
- Implemented data visualization tools using **Google Maps API**, including interactive cluster markers and map layers, custom-made min/max gauges, as well as various third-party charts for enhanced data representation.
- Collaborated and worked in tandem with the Android team to develop software that works in a similar way on two different client platforms.
- Implemented multiple custom animations with **Tailwind CSS** and **styled-components**, enhancing the user experience and providing interactive feedback through the interface.
- Was responsible for maintenance and improvement of the <u>Drone Information Management System</u> throughout my employment.

Upgrade of the Scentinal Information Management System 2.0

- Created the Radial Line graph page with **amCharts** and **Angular11** components. The page allows users to set the time frame, filter pollutants, and ignore abnormal minimal values allowing the users to pinpoint the pollutant source on the map.
- Contributed to the development of backend services with **Node.js** and **Express.js**, ensuring efficient data processing and integration with frontend components.
- Enhanced mainframe tables with **Angular Material** and **RxJS**, enabling interactive and intuitive customization of pollution levels to regulate AQI data.
- Implemented a PDF export feature with **TypeScript** and **PDF-LIB** that allowed for the export of raw point data as an Excel sheet and user-friendly digestible data as a PDF.

Education

Computer Programming Diploma   **Jan 2018–Dec 2020**
Seneca Polytechnic

Certifications

Udemy   **Oct 2024**
Modern React & Redux

Technical Skills

C#, Angular18, RxJs, ReactJs, React Hooks, Redux, Javascript, Typescript, Node.js, GraphQL, Express.js, MySQL, AJAX, JSON, jQuery, lodash, jest, Cypress, Cucumber, HTML5, CSS3, Responsive design, styled-components, Angular Material UI, Material UI, Tailwind CSS, CI/CD Pipelines, MVP, MVC, Git, Bash, Jira, Linux, vim, Teamwork, Adaptability, Organization